

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 121854-1253 - Front Right Wheel Hub

Sample No: LH0267099

Oil Type: GEAR OIL SAE 80W90



#### Sample Information

Sample Number	LH0267099	LH0272749	LH0264394	LH0220809
Sample Date	17 May 2024	02 Jan 2024	04 Aug 2023	05 Dec 2022
Machine Hours	8113	6976	6000	3974
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**AMERICAN STATE EQUIPMENT CO.**  
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 WAUSAU, WI  
 US 54401  
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 F: (715)675-9748



#### Oil Condition

Visc @ 40°C	cSt	116	127	131	137
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	5	2
Sodium	ppm	5	2	6	4
Potassium	ppm	0	2	4	<1



#### Wear Metals

Iron	ppm	205	137	161	98
Copper	ppm	2	3	4	3
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	2	1	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	1	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	1	1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	48	40	48	54
Magnesium	ppm	3	5	7	9
Zinc	ppm	18	2	9	11
Phosphorus	ppm	991	763	765	631
Barium	ppm	<1	0	0	0
Boron	ppm	<1	2	4	8

#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

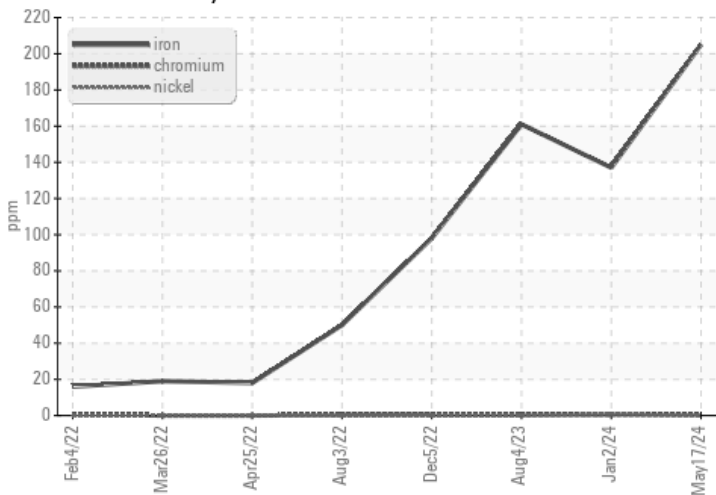
All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008  
 Unique No: 11048110  
 Signed: Wes Davis  
 Report Date: 28 May 2024

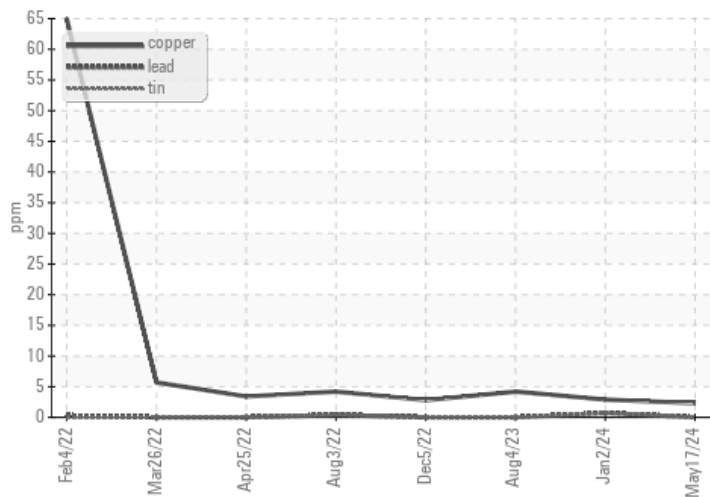


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

